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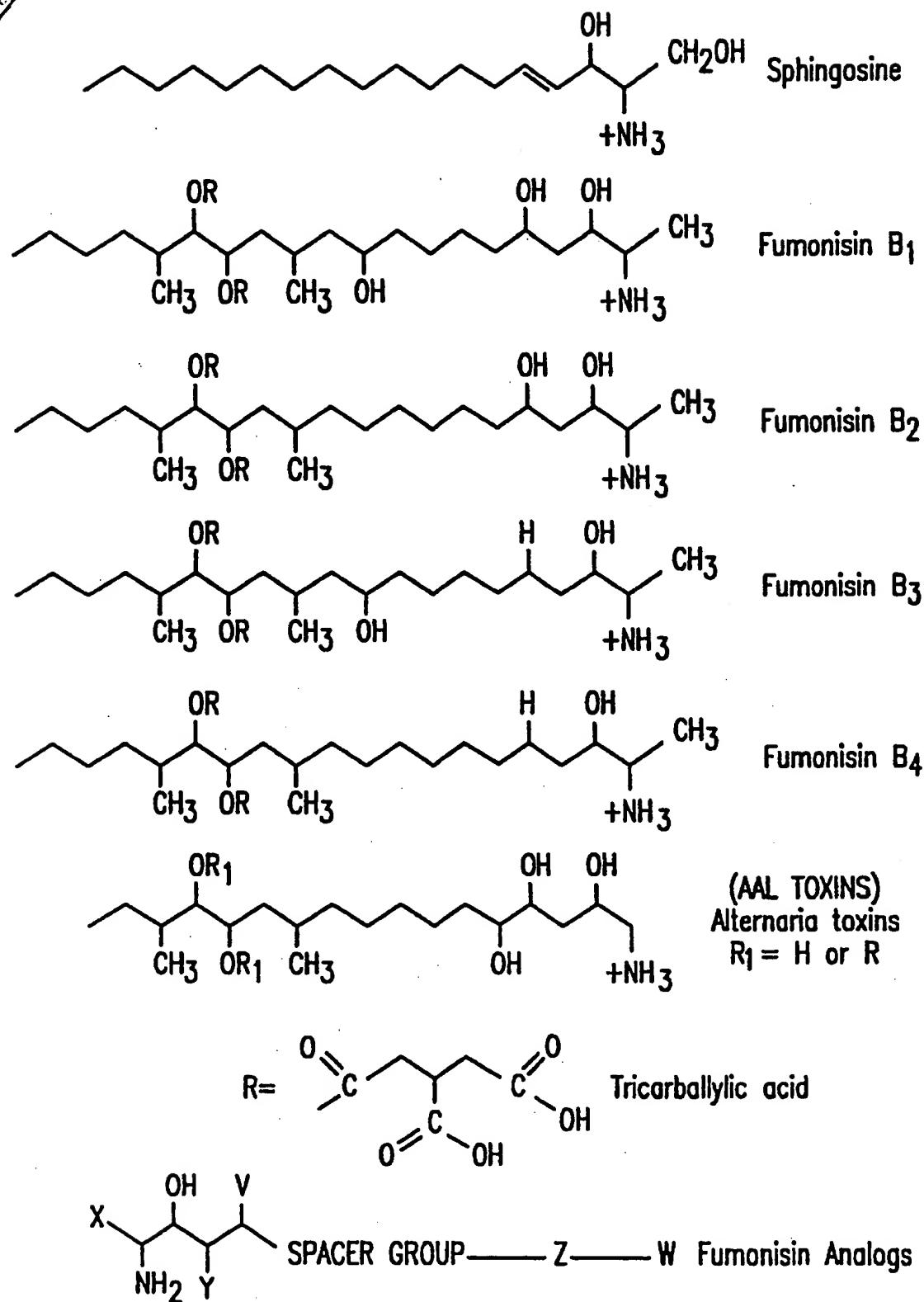


FIG.1

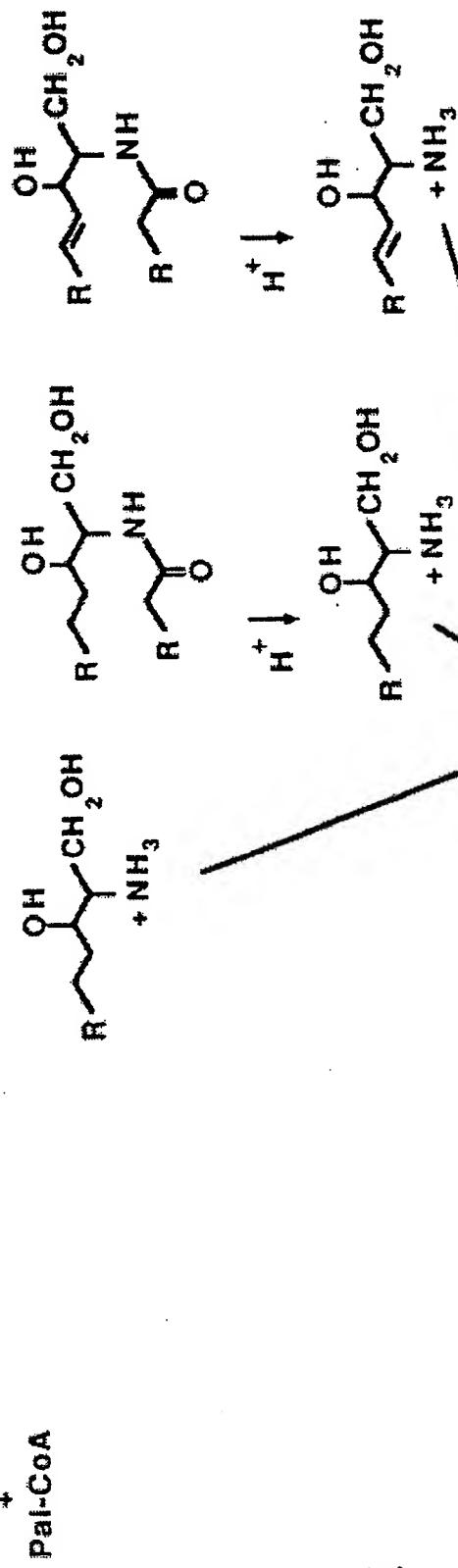


FIG. 2

- Fumonisin B₁

+ Fumonisin B₁

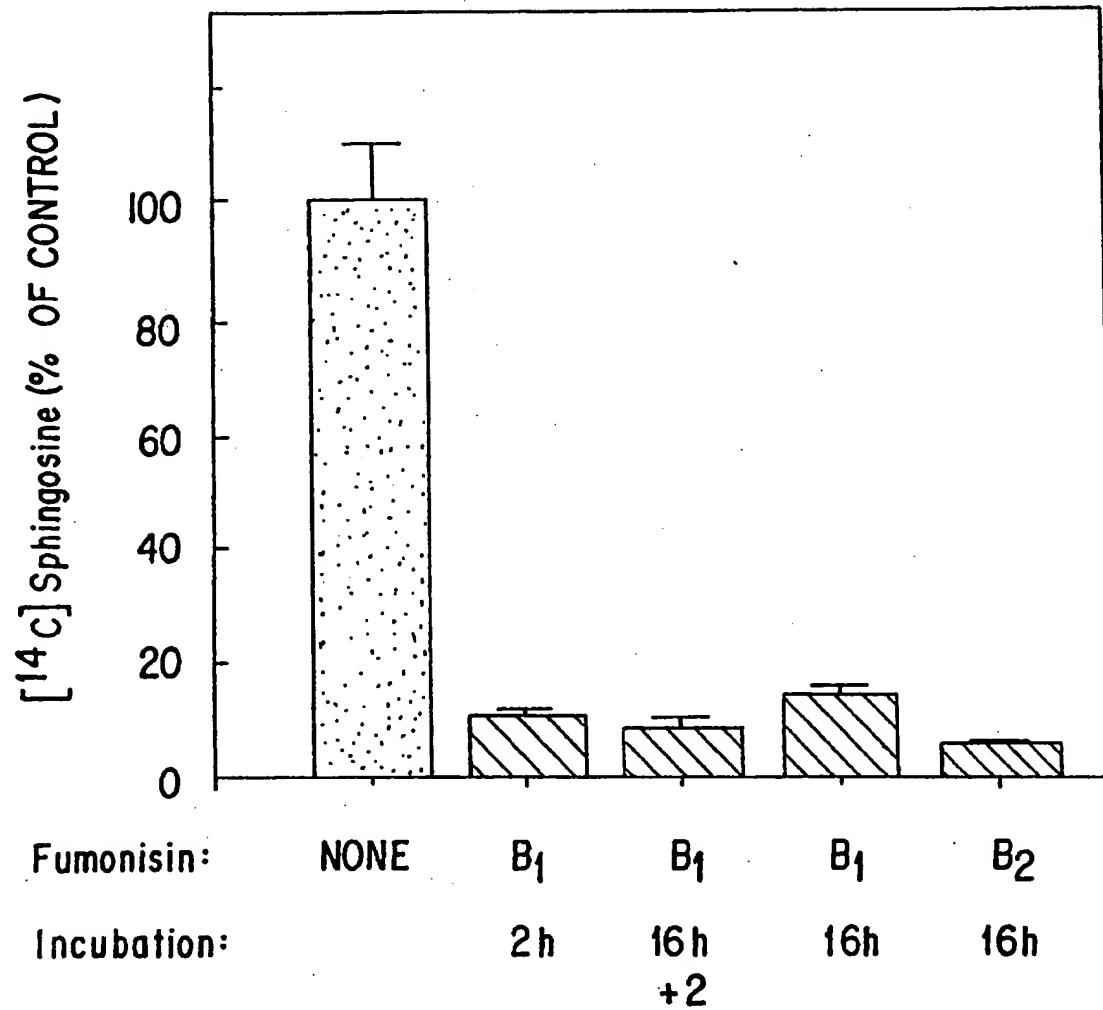
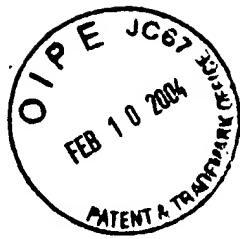


FIG. 3a

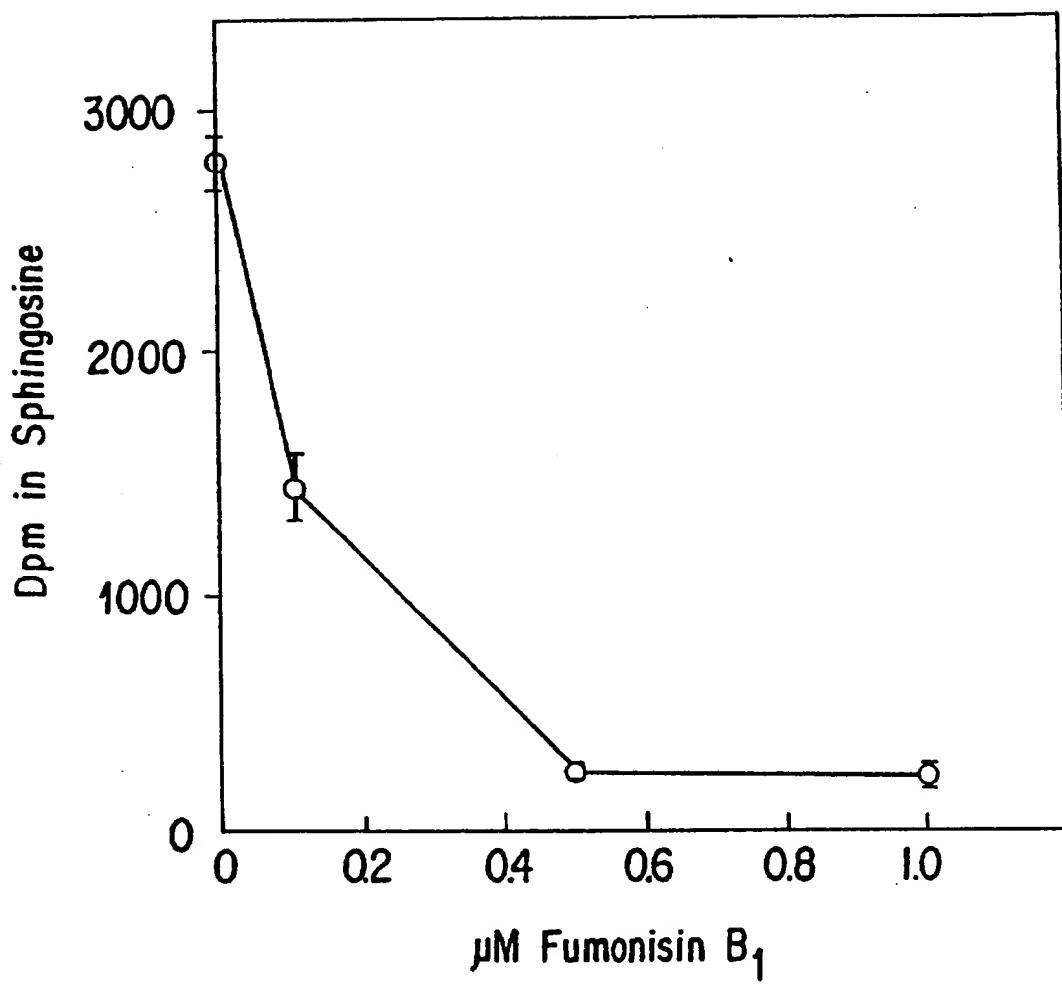
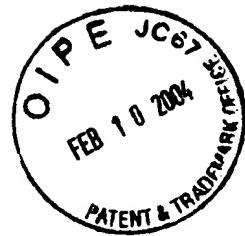


FIG. 3b

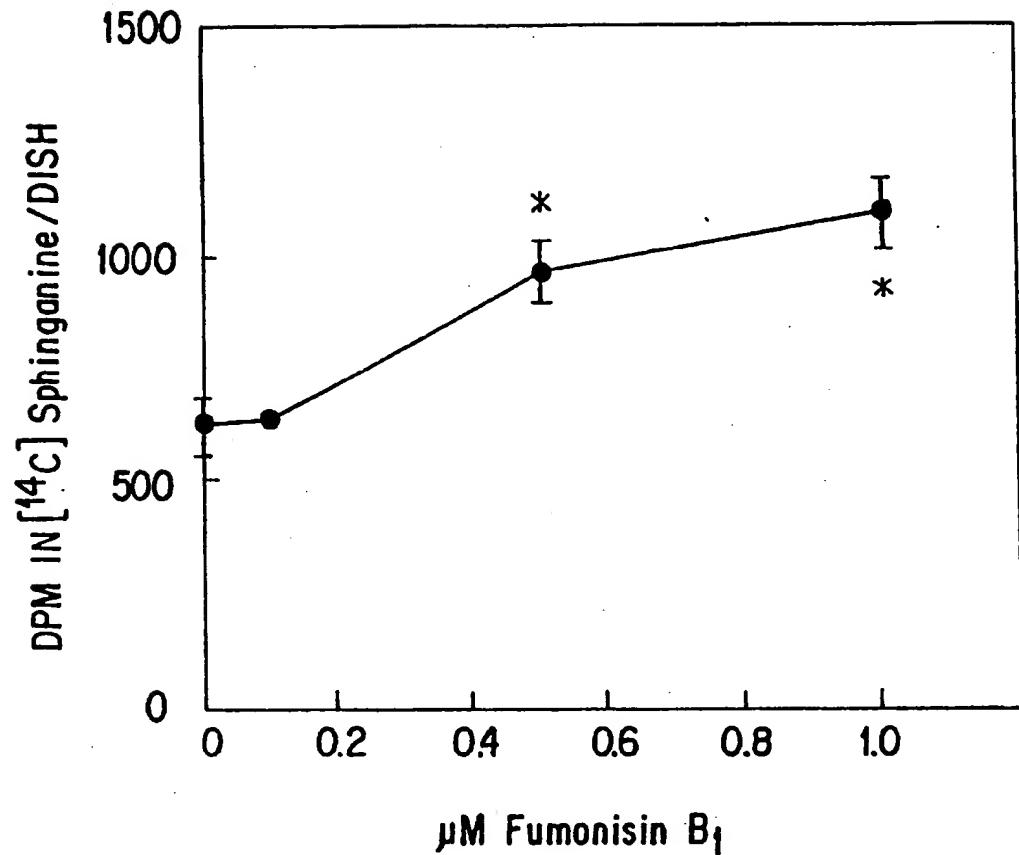


FIG. 4a

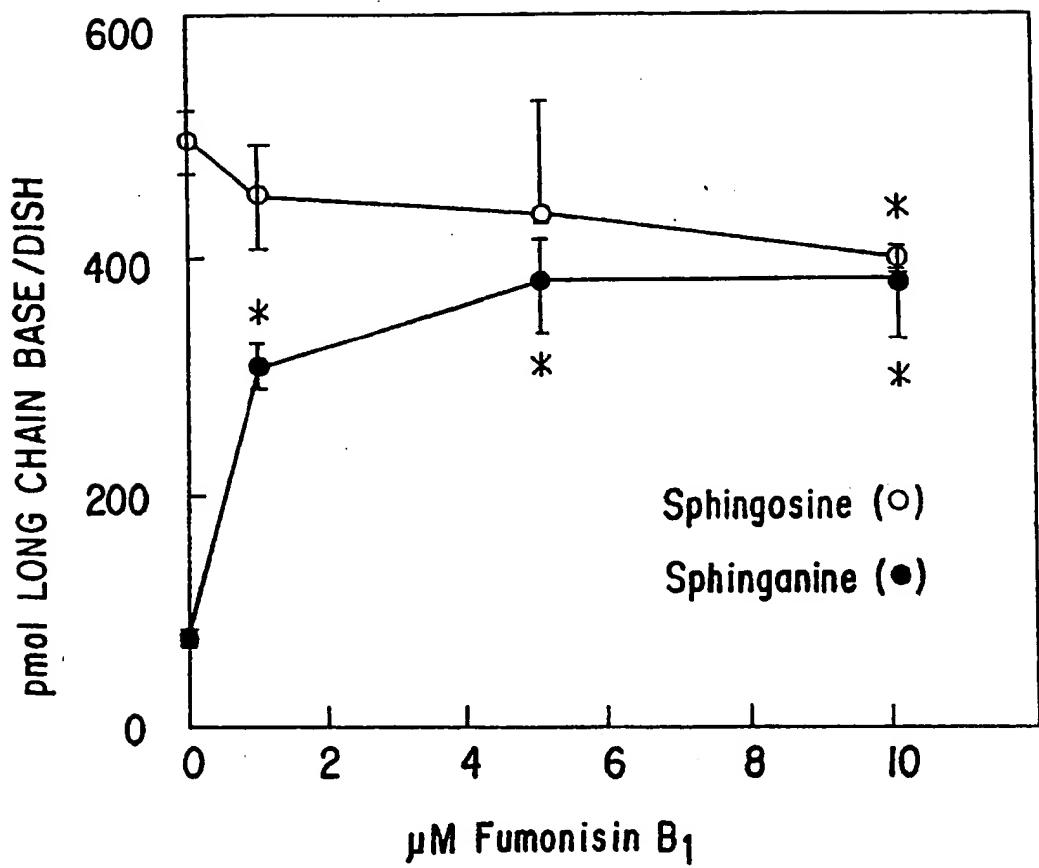
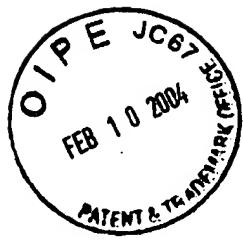


FIG. 4b

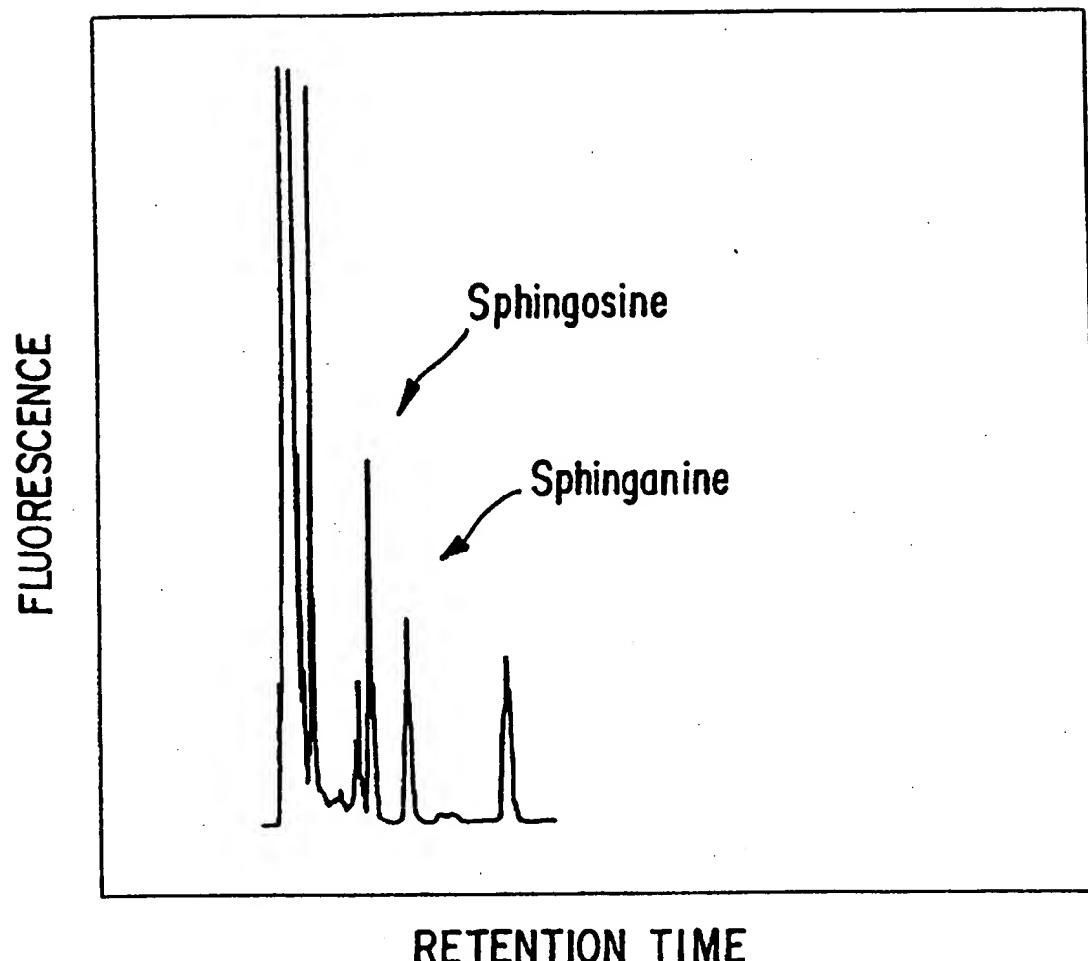


FIG. 4c

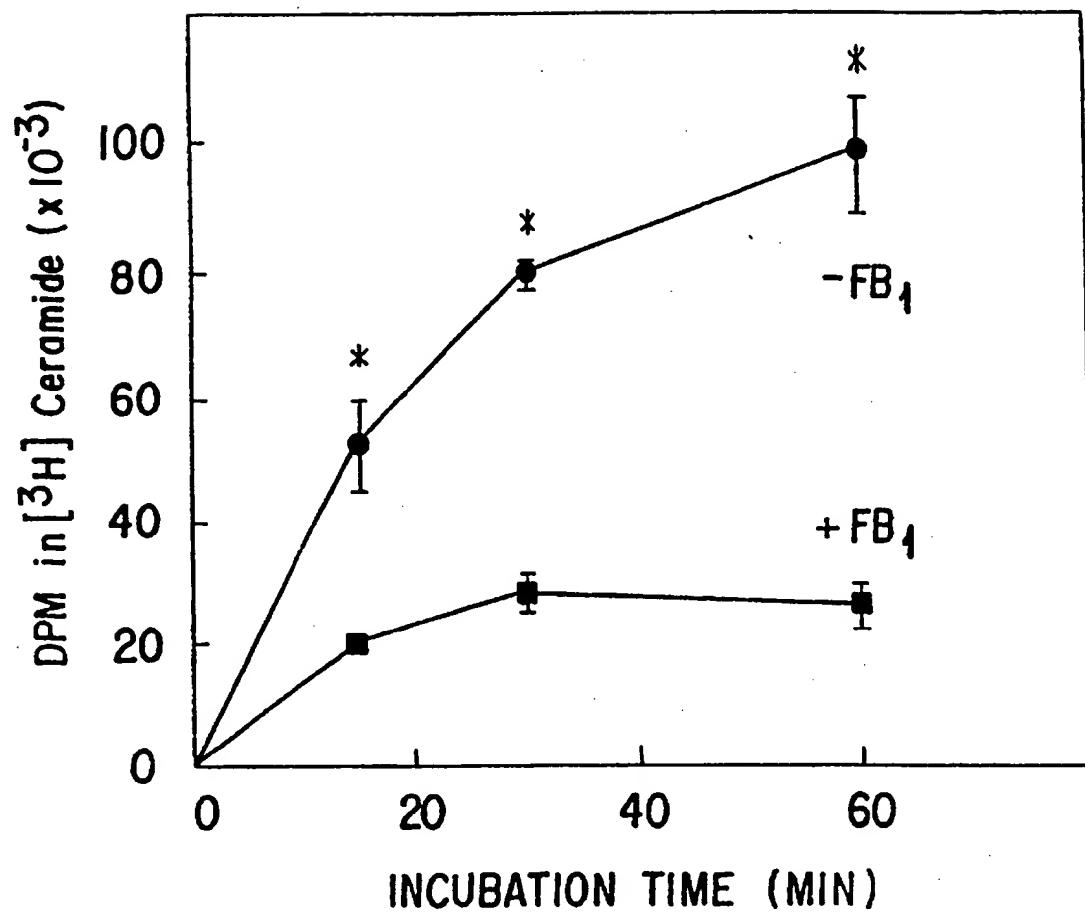


FIG. 4d

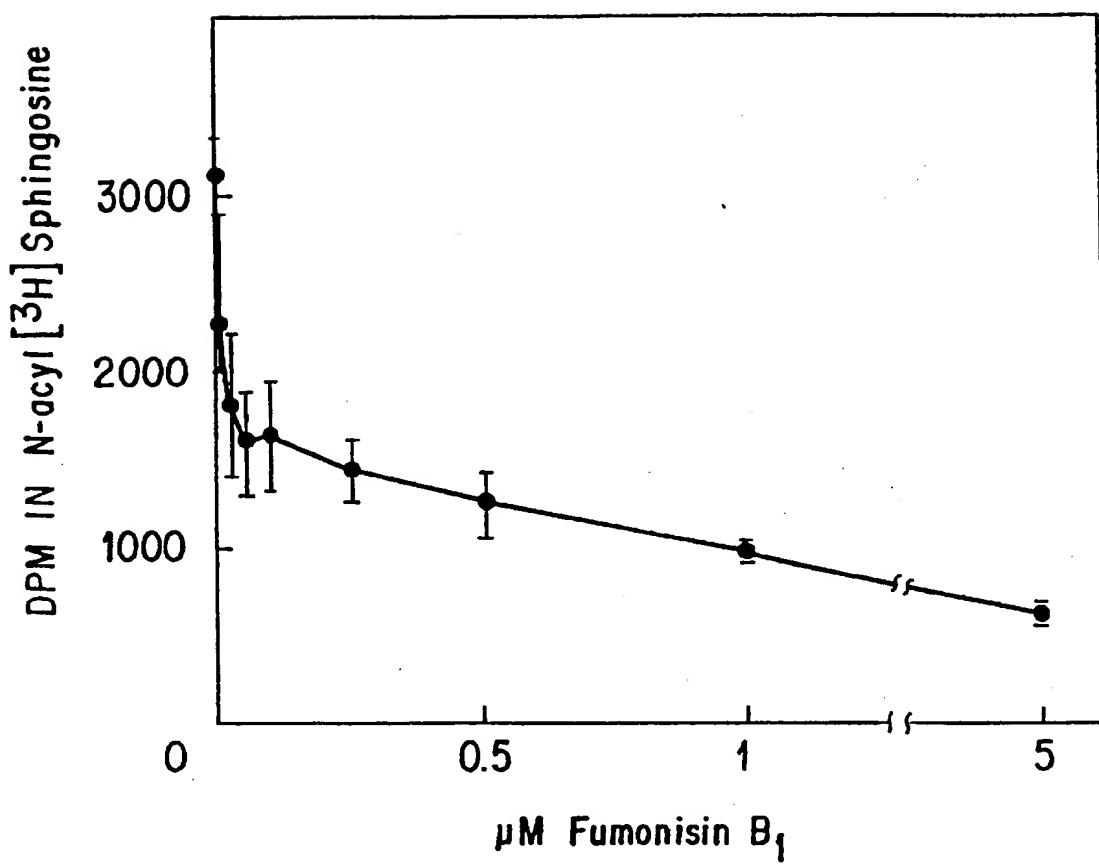


FIG. 5

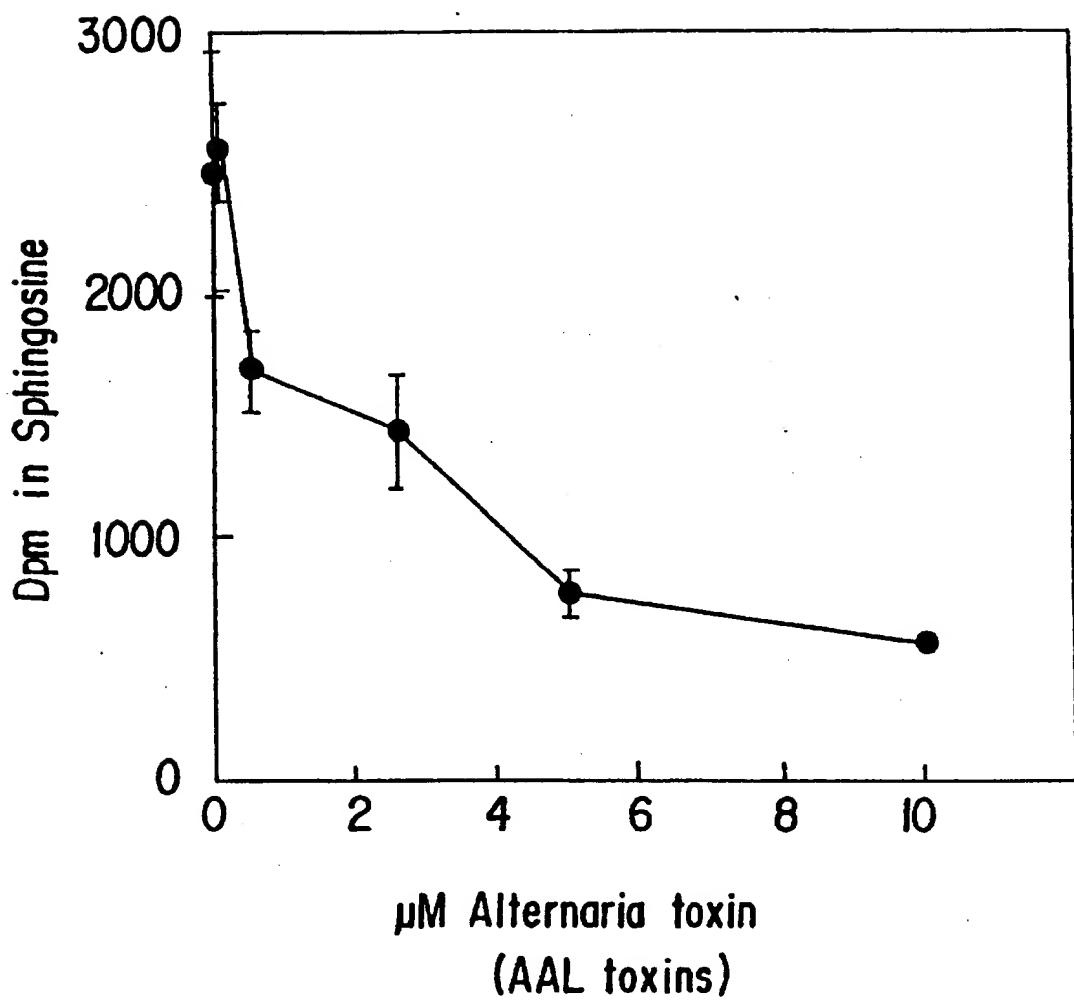


FIG. 6

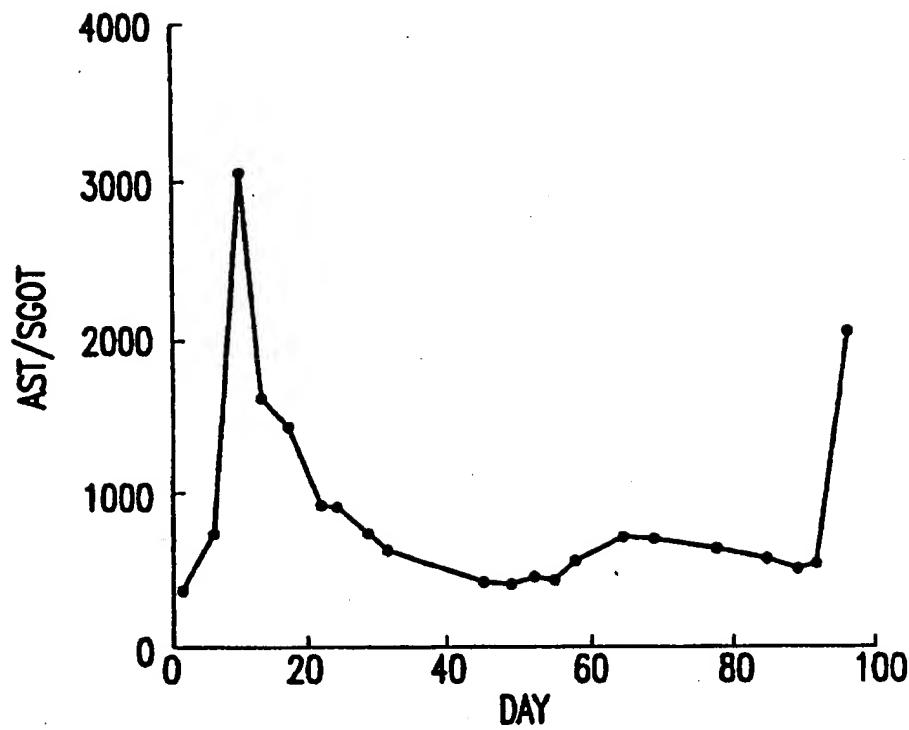


FIG.7a

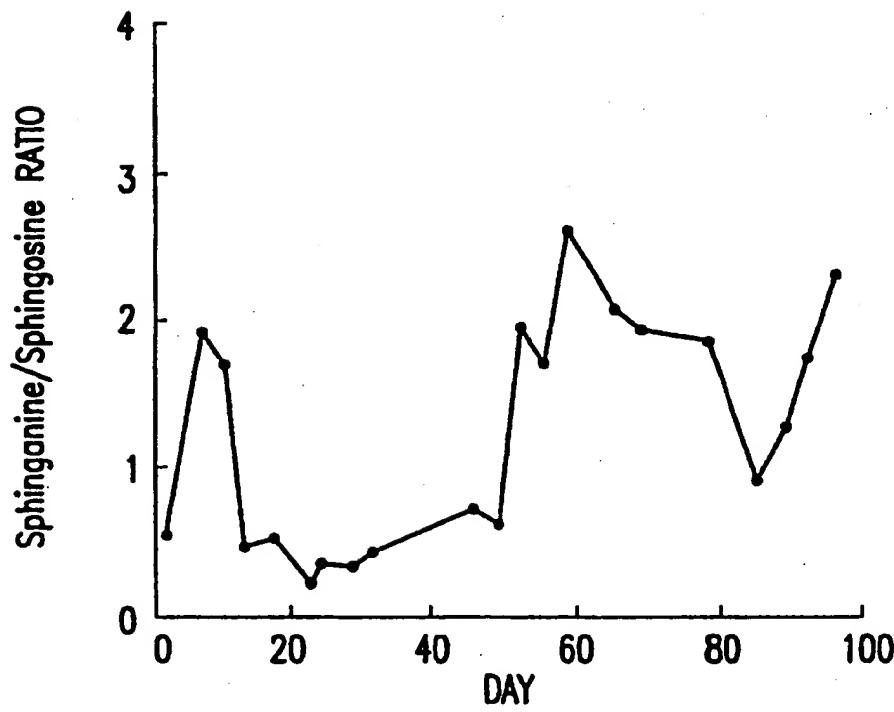


FIG.7b

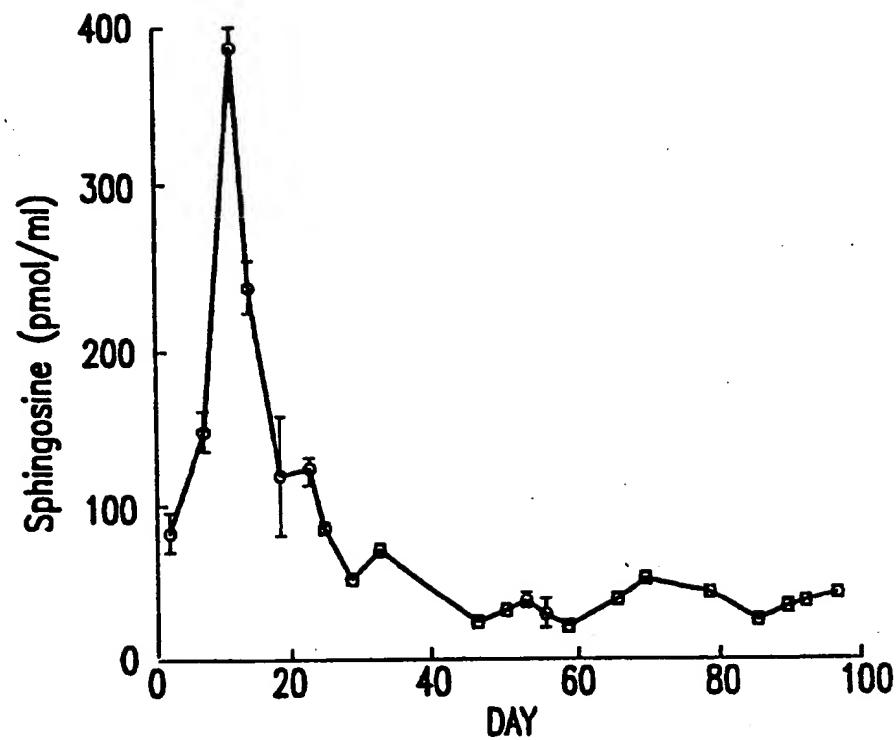
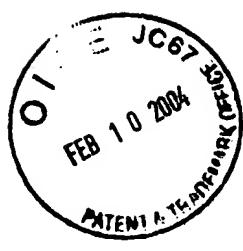


FIG.7c

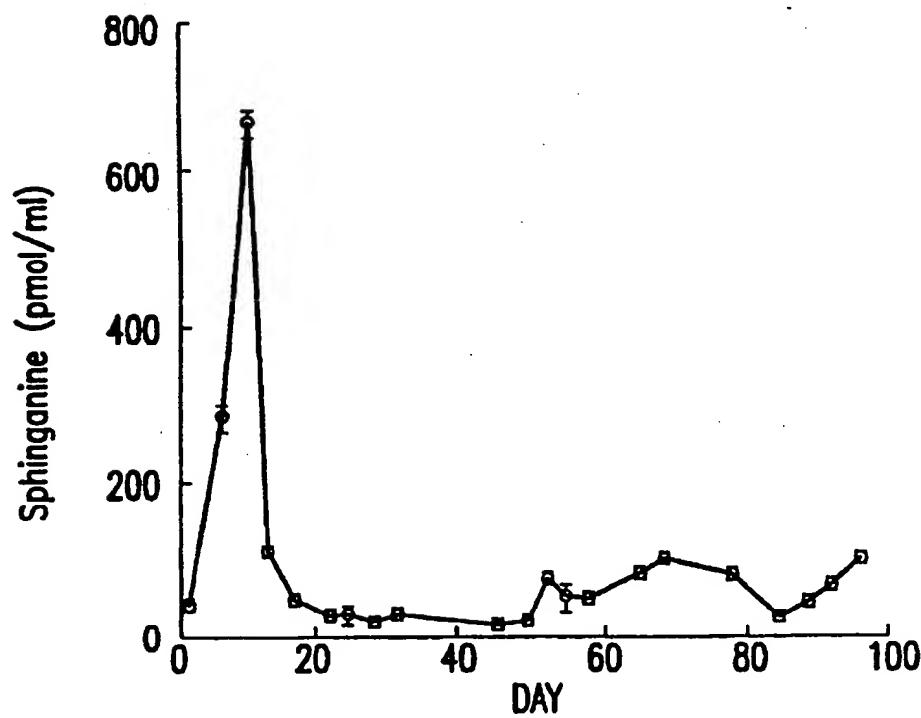
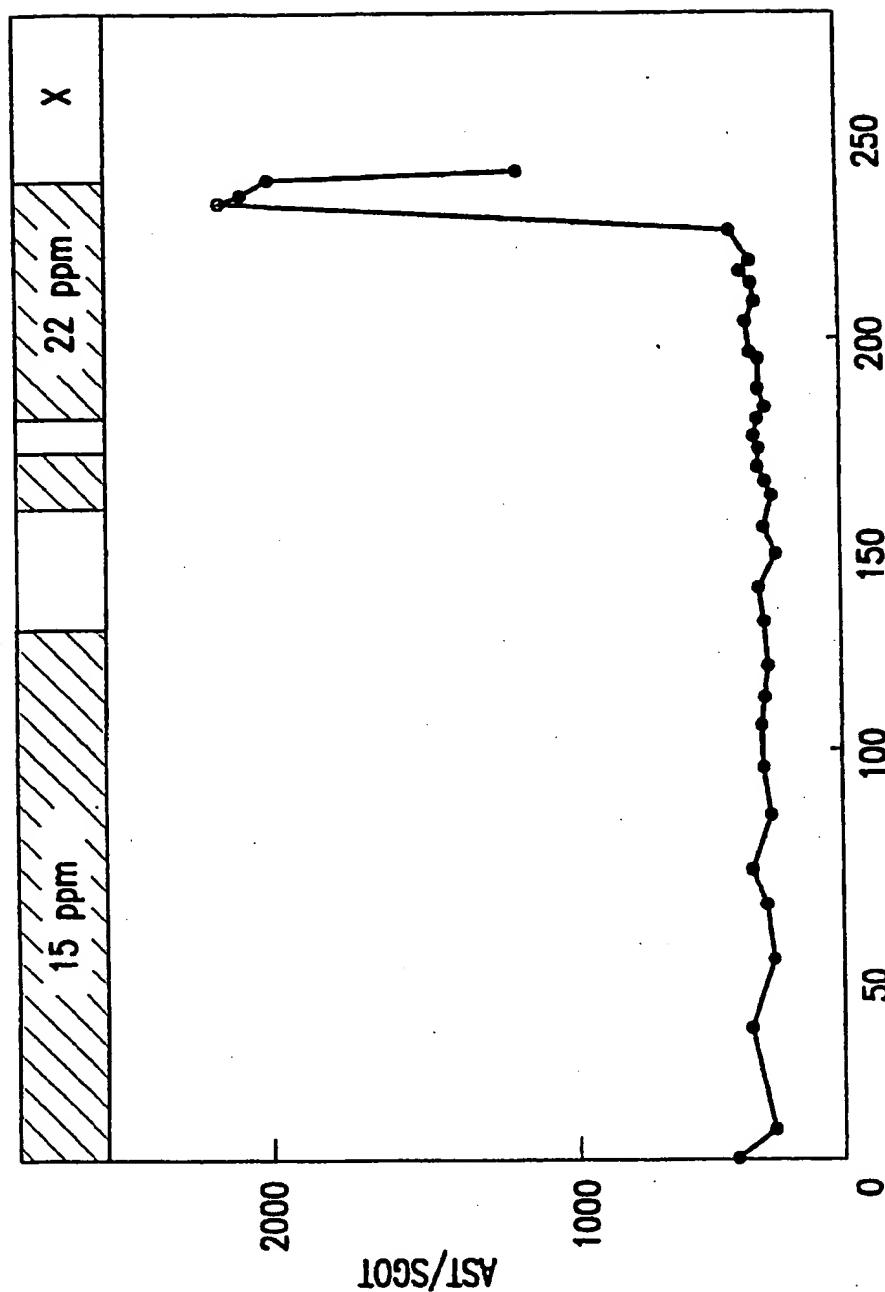


FIG.7d

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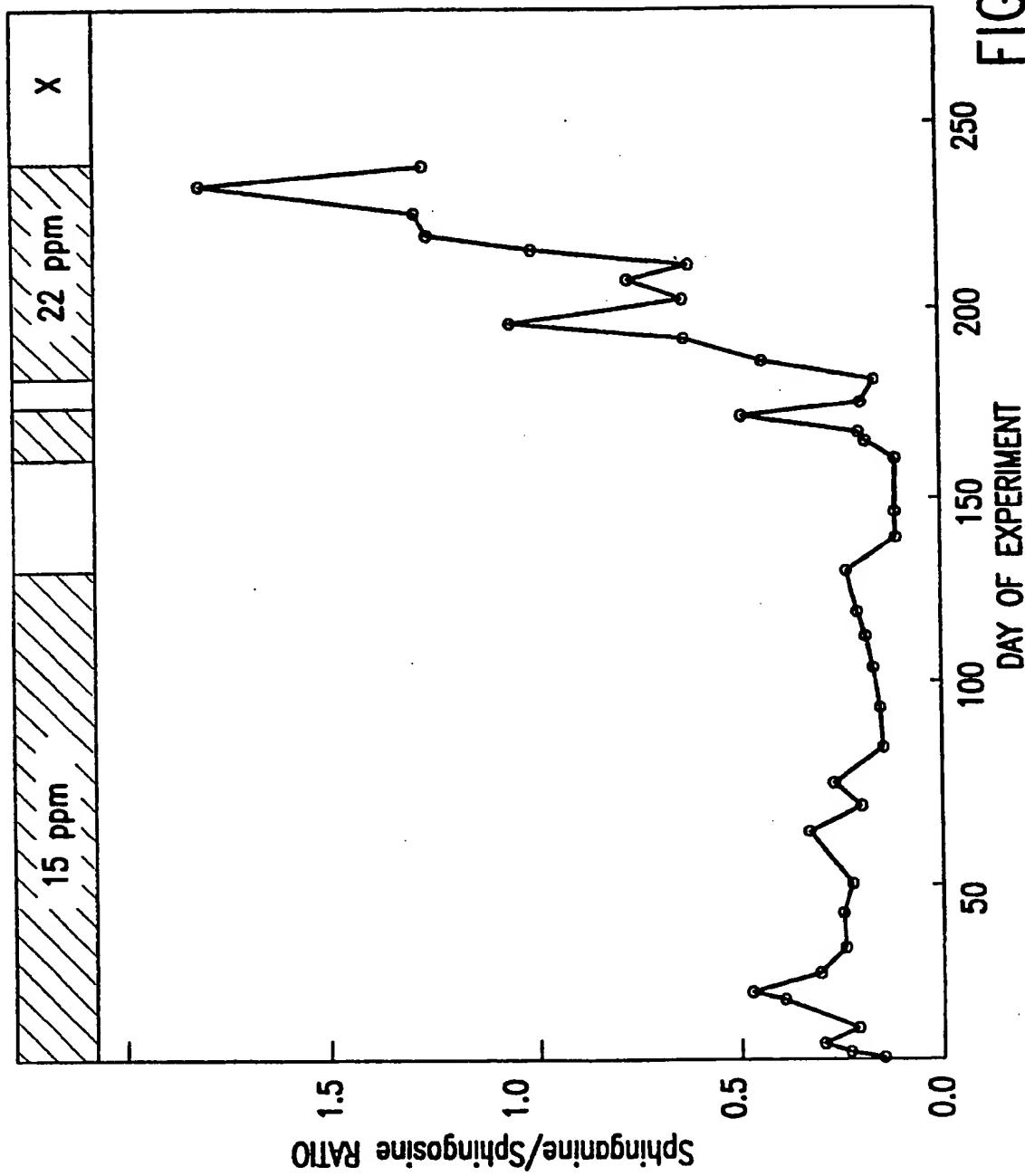
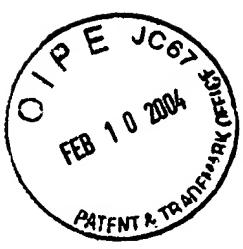
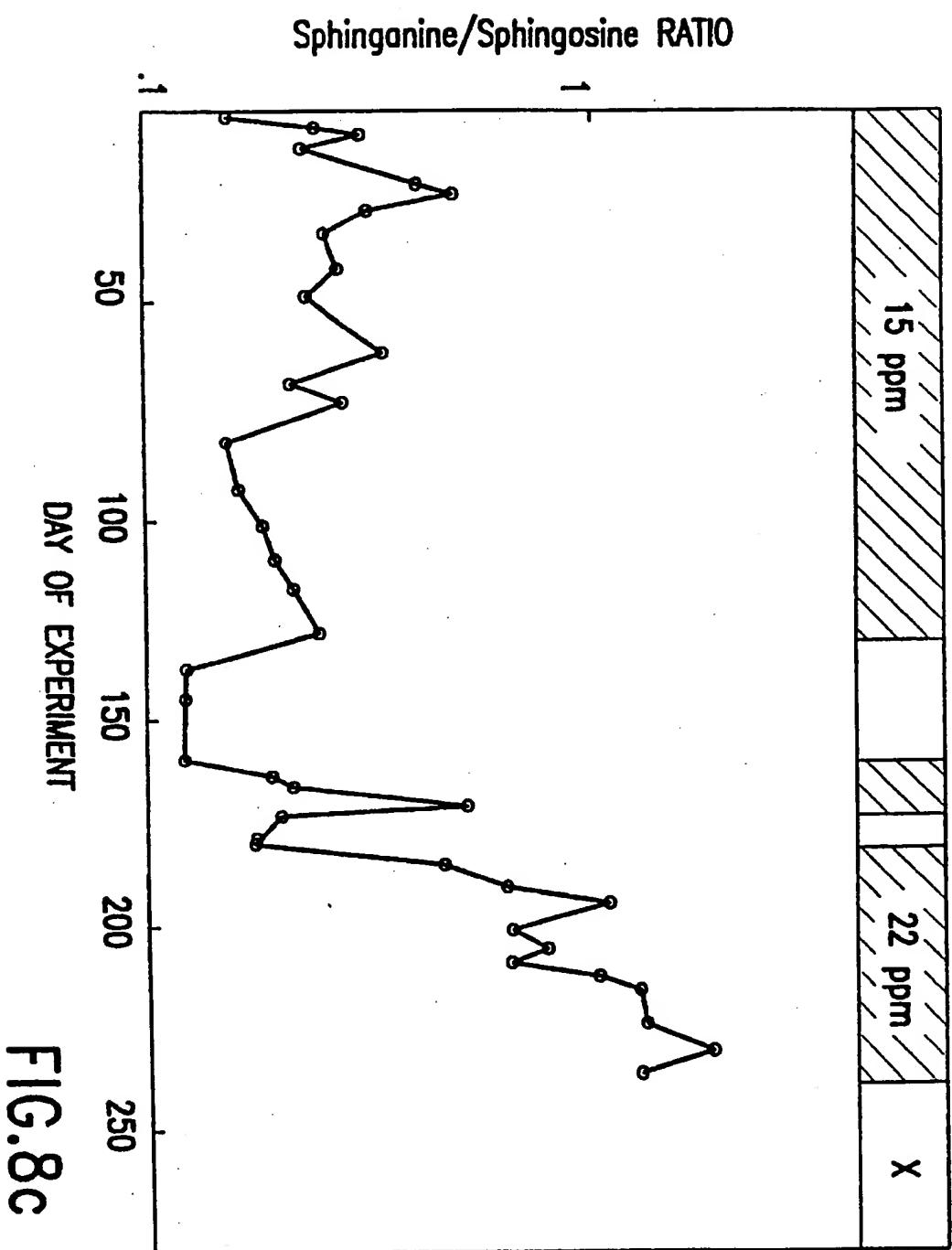


FIG. 8b

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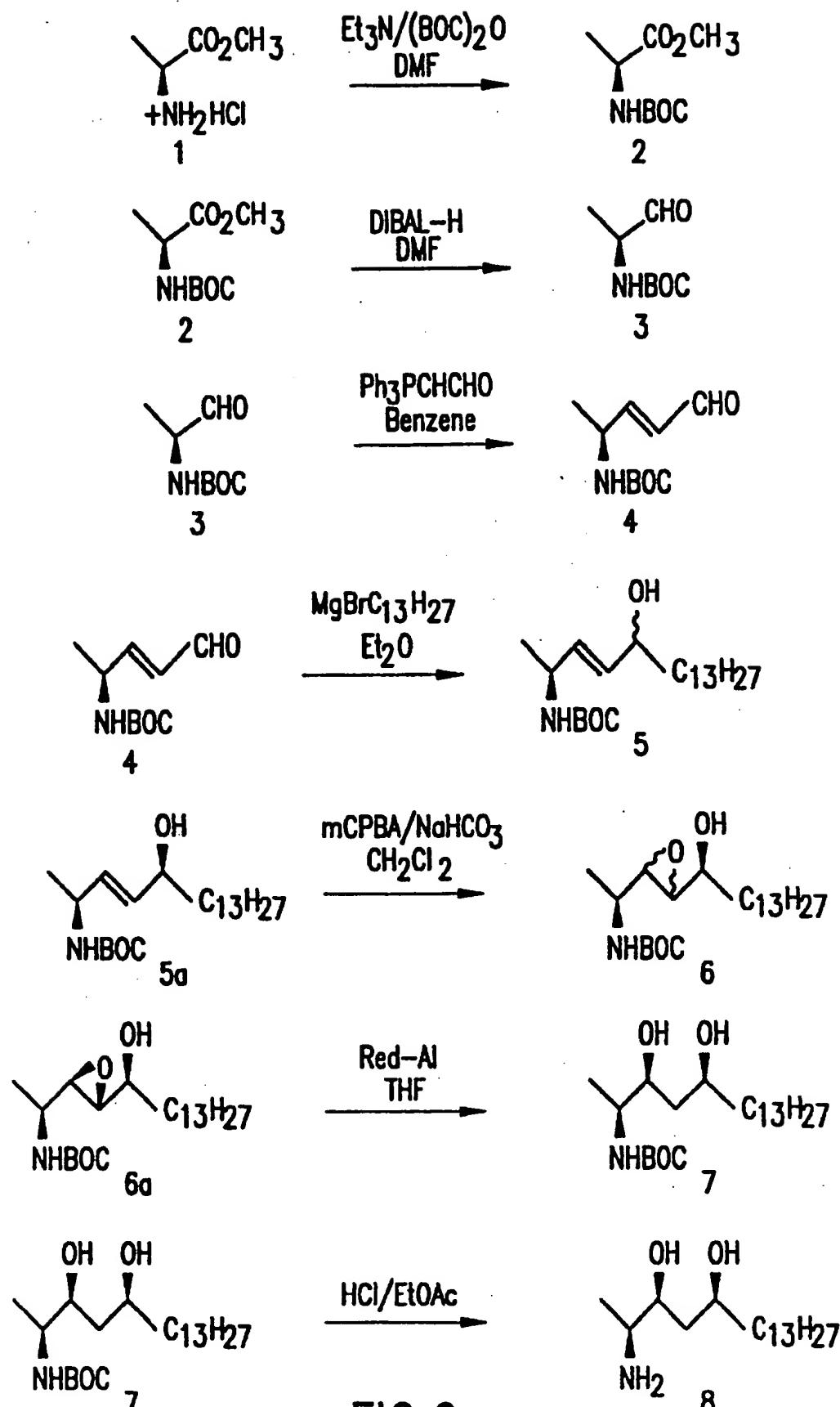
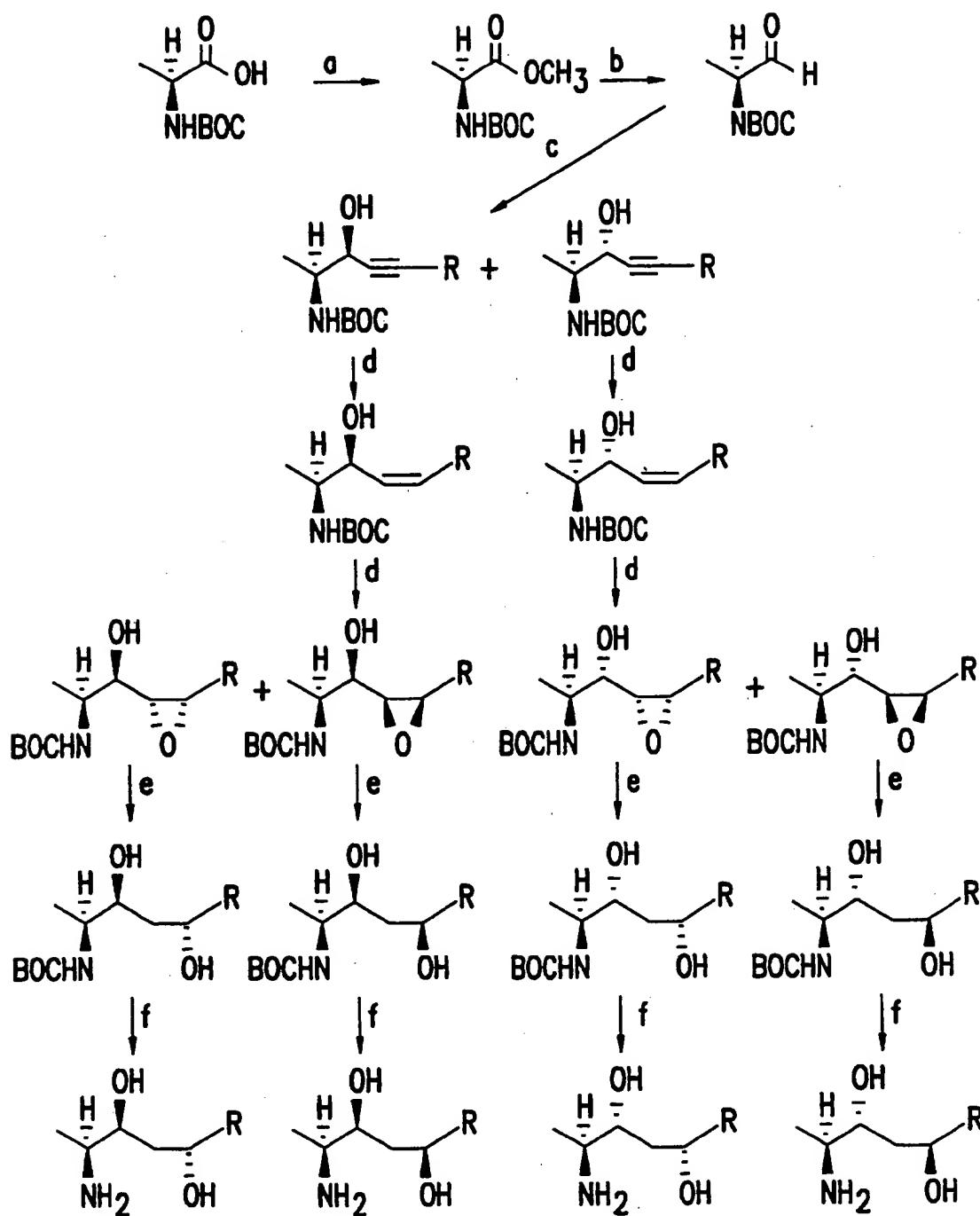


FIG.9

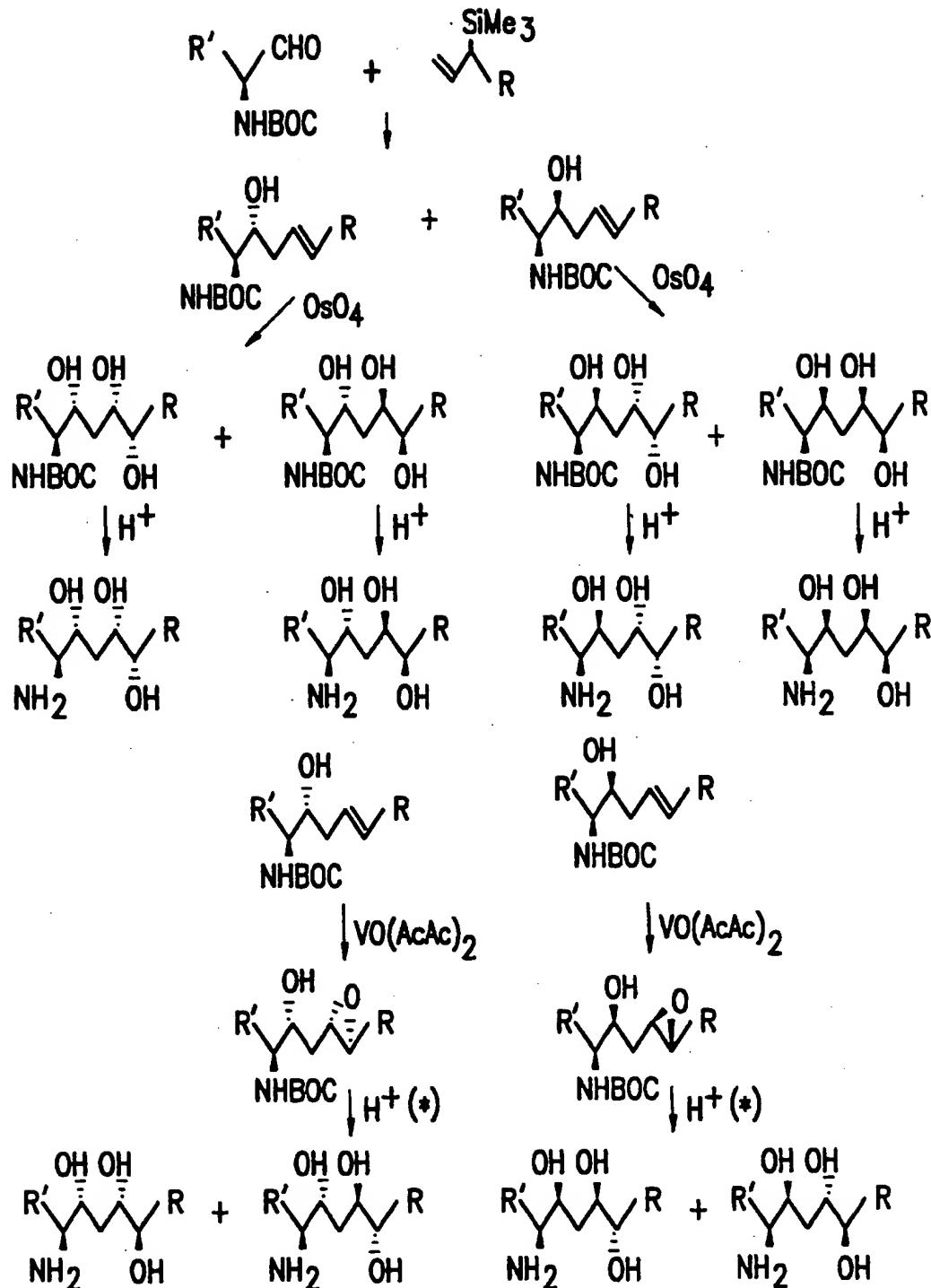
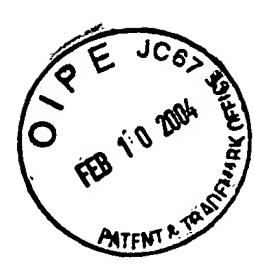
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a. CH_2N_2 ; b. DIBAL; c. LiCCR; d; Peracid; e. NaBH_3CN ; f. H^+

R= alkyl (straight chain or branched, C₈-C₂₀), hydroxy alkyl, amino alkyl, alkylcarboxy (same definition of alkyl), aryl, esters of the hydroxyalkyl and alkylcarboxy groups, amides of the aminoalkyl and alkylcarboxy groups.

FIG. 10



R = alkyl (straight chain or branched, C₈-C₂₀), hydroxy alkyl, amino alkyl, alkylcarboxy (some definition of alkyl), aryl, esters of hydroxyalkyl and alkylcarboxy groups, amides of the aminoalkyl and alkylcarboxy groups.

R' = H, CH₃, C₂H₅, CH₂O-Protecting Group

(*) Epoxide opening and removal of the BOC group may be more efficiently achieved using two discrete hydrolysis steps

FIG.11